

# Bartosz Warchoł

[bartosz.warchol2003@gmail.com](mailto:bartosz.warchol2003@gmail.com)

+48 881 034 437

Programming languages: C#, Java, Python

LinkedIn profile: [Bartosz Warchol](#)

## ABOUT ME

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As a third-year student in Computer Science and Intelligent Systems at AGH University of Science and Technology in Cracow, I am deeply passionate about backend engineering and artificial intelligence. My background as a retired semi-professional chess player, with over eight years of competitive experience, has honed my logical reasoning and strategic thinking. In my free time, I enjoy solving the Zest Riddle with friends, blending logical thinking with fun.

## EDUCATION

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**AGH University of Science and Technology**

B. Eng. in Computer Science and Intelligent Systems, **GPA: 4.39 / 5.0**

**Oct 2022 - Jan 2026 (Expected)**

Cracow, Poland

### Code Fixer

- Designed, implemented and deployed a REST API for formatting and linting custom file formats, supporting Markdown, KaTeX and a custom language, leading to more consistent code styling and formatting.

Technologies used: C#, ASP.NET Core, WSL2, Docker, Git, GitHub, npm, pip, Linux Debian, Railway

### Models Benchmark

- Created client-server application utilizing REST API and JSON for communication, enabling users to easily select machine learning models and configure training parameters, enhancing accessibility for non-technical users to engage with model training and benchmarking.

Technologies used: C#, Python, WinForms, Flask, Scikit-learn, REST API, JSON, Git, Visual Studio, VS Code

### Load Balancer

- Created a dynamic load balancer using Java, leveraging Docker Compose to orchestrate multiple database instances for testing, and Maven for streamlined build processes, achieving satisfying database load distribution.

Technologies used: Java, Maven, Docker Compose, PostgreSQL, MySQL, SLF4J, JUnit 5, Git, GitHub, VS Code

### Chess Tournament Tracker - <https://chess-tournament-tracker.bartoszwarchol.pl>

- Led the creation of the Full-stack web application for managing chess tournaments, overseeing the design and development. I coordinated team efforts, set project milestones, and ensured the successful delivery of the app.
- Hosted the entire application stack, including frontend, backend, and PostgreSQL database on Heroku, leveraging its managed services for streamlined hosting and simplified infrastructure management.

Technologies used: Heroku (Dyno, Add-ons, Data Clips, CLI), Docker, Swagger, Figma, draw.io, LaTeX (Overleaf)

## LANGUAGES

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- Polish:** Native.
- English:** B2 First Certificate, Grade B - Attained the highest possible score in the "Use of English" section.

## LEADERSHIP AND AWARDS

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- Four-time finalist in the Polish Junior Chess Championships, awarded 30 trophies and 20 medals in tournaments.
- Two-time participant in the Polish Junior Chess Extraleague, the highest-level junior chess league in Poland.
- Completed Notpron and the official part of Zest Riddle (currently working on "Exodus") as a team of friends—highly challenging internet-based logic games considered some of the hardest puzzles available online.